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PTO/SB/21 (08-00)

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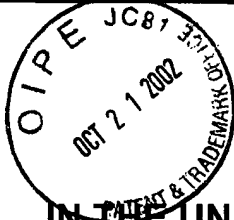
TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/068,486	
	Filing Date	February 5, 2001	
	First Named Inventor	NACHT, Mariana	
	Group Art Unit	Unassigned	
	Examiner Name	Unassigned	
Total Number of Pages in This Submission	6+ref	Attorney Docket Number	GA0217C

ENCLOSURES (check all that apply)				
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): PTO Form 1449 (2 sheets); copies of twelve (12) cited references; and Return Postcard		
<table border="1"><tr><td>Remarks</td><td></td></tr></table>			Remarks	
Remarks				

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Elizabeth Lassen Genzyme Corporation 15 Pleasant Street Connector P.O. Box 9322 Framingham, Massachusetts 01701-9322
Signature	<i>Elizabeth Lassen</i>
Date	10/15/02

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: October 15, 2002			
Typed or printed name	TARYN ANTALEK		
Signature	<i>Taryn Antalek</i>	Date	10-15-2002

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application for:
Nacht, Mariana

Examiner: Unassigned

Serial No.: 10/068,486

Group Art Unit: Unassigned

Filing Date: February 5, 2002

For: **COMPOSITIONS AND METHODS RELATED TO CLAUDIN-7**

Commissioner for Patents
Washington, D.C. 20231

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I hereby certify that this paper and all enclosures are being deposited with the United States Postal Service as first class mail on the date indicated below in an envelope addressed to Commissioner for Patents, Washington, D.C. 20231

Dated: October 15, 2002

Name of Person Certifying: Talyn Antalek

Printed Name: Talyn Antalek

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. § 1.56, the references listed on the attached Form PTO-1449 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application.

I. Timing of the Information Disclosure Statement:

This Information Disclosure Statement is filed:

- ☐ With the new patent application submitted herewith (37 C.F.R. § 1.97(a)).
- ☐ Within three months after the filing date of the application or within three months after the date of entry of the national stage of a PCT application as set forth in 37 C.F.R. § 1.491.
- ☒ Before the mailing date of a first Office Action on the merits. In the event, however, that an Office Action has crossed in the mail with this Information Disclosure Statement, the Commissioner is hereby authorized to charge Deposit Account No. 07-1074 for any fees required pursuant to 37 C.F.R. § § 1.17(p) or 1.17(i)(1).

This Information Disclosure Statement is filed:

- ☐ After the first Office Action and more than three months after the application's filing date; or PCT national stage date of entry filing but, as far as is known to the undersigned, prior to the mailing date of either a final rejection or a notice of allowance, whichever comes first, and the Commissioner is hereby authorized to charge Deposit Account No. 07-1074 for the fee (\$180.00) set forth in 37 C.F.R. § 1.17(p) and any additional required fees.

This Information Disclosure Statement is filed:

- ☐ After the mailing date of either a final rejection or a notice of allowance, whichever occurred first, and is accompanied by the fee (\$180.00) set forth in 37 C.F.R. § 1.17(i)(1) and a certification as specified in 37 C.F.R. § 1.97(e), as checked below. This document is to be considered as a petition requesting consideration of the Information Disclosure Statement.

The undersigned certifies that:

- ☐ Each item of information contained in the Information Disclosure Statement was first cited in any communication mailed from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication mailed from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56 more than three months prior to the filing of this Information Disclosure Statement.

II. Copies of the Cited Items:

- ☒ Copies of all of the items listed on the attached Form PTO-1449 are enclosed.
- ☐ Copies of only the following items listed on the attached Form PTO-1449 are enclosed: _____.
- ☐ Copies of those items which are marked with an asterisk (*) in the attached Form PTO-1449 are not supplied because they were previously cited by or submitted to the Patent Office in a prior Application No. _____ filed _____ and relied upon in this application for an earlier filing date under 35 U.S.C. § 120. See 37 C.F.R. § 1.98(d).

- ☐ Copies of those items which are marked with an asterisk (**) in the attached Form PTO-1449 were cited in a foreign examination report in a related case. A copy of the search report and the cited references not already of record in this application are attached hereto.

III. Concise Explanation of Relevance:

Citation of the above documents shall not be construed as:

1. an admission that the documents are necessarily prior art with respect to the instant invention;
2. a representation that a search has been made, other than as described above; or
3. an admission that the information cited herein is, or is considered to be, material to patentability as defined in § 1.56(b).

It is respectfully requested that the Examiner indicate consideration of the cited references by returning a copy of the attached form PTO 1449 with initials or other appropriate marks.

The Commissioner is hereby authorized to charge Deposit Account No. **07-1074** for any additional fees required in connection with the filing of this Information Disclosure Statement.

Respectfully submitted,

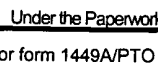
DATE: 10/15/02

By:



Elizabeth Lassen
Registration No. 31,845

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(use as many sheets as necessary)

Sheet	1	of	2
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Complete if Known

Application Number	10/068,486
Filing Date	February 5, 2000
First Named Inventor	Nacht, Mariana
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	GA0217C

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	1	WO 99/58692	11-18-99	Incyte Pharmaceutical		
	2	WO 00/26360	05-11-00	Adherex Tech.		
	3	WO 00/61596	10-19-00	Human Genome Sciences		
	4					
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**Examiner
Signature**

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 2

Complete if Known

Application Number	10/068,486
Filing Date	February 5, 2002
First Named Inventor	NACHT, Mariana
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	GA0217C

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	10	BRUGAROLAS, J. et al., "Radiation-induced cell cycle arrest compromised by p21 deficiency", Nature, 1995, 377:552-557	
	11	CHEN, Z. et al., "Inhibition of Vascular Endothelial Growth Factor-induced Endothelial Cell Migration by ETS1 Antisense Oligonucleotides", Cancer Research, 1997, 57:2013-2019	
	12	GHO, Y.S. et al., "Angiogenic Activity of Human Soluble Inter cellular Adhesion Molecule-1", Cancer Research, October 1999, 59:5128-5132	
	13	GUMBINER, BM, "Breaking through the tight junction barrier", The Journal of Cell Biology, December 1993, 123:1631-1633	
	14	MORITA, K. et al., "Claudin multigene family encoding four-transmembrane domain protein components of tight junction strands", Proceedings of the National Academy of Science, USA, January 1999, 96:511-516	
	15	NICOSIA, R.F. et al., "Modulation of Microvascular Growth and Morphogenesis by Reconstituted Basement Membrane Gel in Three-Dimensional Cultures of Rat Aorta: A Comparative Study of Angiogenesis in Matrigel, Fibrin, and Plasma Clot", In Vitro Cell. Dev. Biology, 1990, 26:119-128	
	16	PIKE, S.E. et al., "Vasostatin, a Calreticulum Fragment, Inhibits Angiogenesis and Suppresses Tumor Growth", The Journal of Experimental Medicine, December 1998, 188(12):2349-2356	
	17	GORDON, G.J. et al., "Translation of Microarray Data into Clinically Relevant Cancer Diagnostic Tests Using Gene Expression Ratios in Lung Cancer and Mesothelioma", Cancer Research, September 2002, 62:4963-4967	
	18	MOUSTAFA, A.A. et al., "Identification of genes associated with head and neck carcinogenesis by cDNA microarray comparison between matched primary normal epithelial and squamous carcinoma cells", Oncogene 2002, 21:2634-2640	
	19		
	20		

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Signature

Date
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